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(FILE 'HOME' ENTERED AT 14:38:07 ON 24 JAN 2008)

FILE 'CAPLUS' ENTERED AT 14:38:17 ON 24 JAN 2008

L1	0 S ?DIOL(S) PEROXIDE(S) (SULFONIC(2A)ACID(10A) POLYMER)
L2	3 S ?DIOL(S) PEROXIDE(S) (SULFONIC(2A)ACID)
	E TANAKA MASATO/AU
L3	27 S E3 AND (PEROXIDE OR OXIDIZED OR SULFONIC(W)ACID)
L4	3 S E3 AND (PEROXIDE OR OXIDIZED) AND (SULFONIC(W)ACID)
L5	11 S E3 AND (SULFONIC(W)ACID)
L6	3 S (SULFONIC(W)ACID) (S) (POLYMER OR RESIN) (S)OLEFIN#(S) (PEROXIDE

=> d ibib abs 1-3

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2003:979753 CAPLUS  
DOCUMENT NUMBER: 140:145789  
TITLE: Catalytic dihydroxylation of olefins with hydrogen peroxide: An organic-solvent- and metal-free system  
AUTHOR(S): Usui, Yoko; Sato, Kazuhiko; Tanaka, Masato  
CORPORATE SOURCE: Research Institute for Green Technology, National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba, Ibaraki, 305-8565, Japan  
SOURCE: Angewandte Chemie, International Edition (2003), 42(45), 5623-5625  
CODEN: ACIEF5; ISSN: 1433-7851  
PUBLISHER: Wiley-VCH Verlag GmbH & Co. KGaA  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 140:145789  
AB Olefins are oxidized to 1,2-diols in high yield with 30% H2O2 in the presence of resin-supported sulfonic acid under metal-free conditions without any organic solvent. The catalyst can be recycled easily and is effective for at least 10 cycles.  
REFERENCE COUNT: 57 THERE ARE 57 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2002:10598 CAPLUS  
DOCUMENT NUMBER: 136:70696  
TITLE: Directly paintable thermoplastic olefin composition with improved conductivity  
INVENTOR(S): Berta, Dominic A.  
PATENT ASSIGNEE(S): Basell Technology Company B.V., Neth.  
SOURCE: PCT Int. Appl., 25 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002000786	A2	20020103	WO 2001-IB1071	20010619
WO 2002000786	A3	20020411		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 6433063	B1	20020813	US 2000-607689	20000630
AU 2001062604	A5	20020108	AU 2001-62604	20010619
EP 1222225	A2	20020717	EP 2001-936745	20010619
EP 1222225	B1	20060816		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
JP 2004502012	T	20040122	JP 2002-505904	20010619
PRIORITY APPLN. INFO.:			US 2000-607689	A 20000630
			WO 2001-IB1071	W 20010619
AB	Directly paintable polymer compns. contain (1) a thermoplastic polyolefin (TPO) 100, (2) a propylene homopolymer or propylene copolymer			

with ethylene or a C4-8  $\alpha$ -olefin, grafted with an anhydride of an aliphatic  $\alpha,\beta$ -unsatd. dicarboxylic acid 5-20, (3) an oxidized polyethylene wax having m.p.  $<116^\circ$  and an acid number  $<40$  3-20, (4) a functionalized polymer that reacts with the anhydride-grafted polymers 2-6, (5) an epichlorohydrin rubber 2-20 parts and, optionally, (6) a polyolefin rubber grafted with an anhydride of an aliphatic  $\alpha,\beta$ -unsatd. dicarboxylic acid, (7) an ethylene polymer grafted with an anhydride of an aliphatic  $\alpha,\beta$ -unsatd. dicarboxylic acid, (8) a thermoplastic resin, and (9) an organic sulfonic acid salt of a Group I or II metal, or mixts. A blend of TPO 100, maleated polypropylene 10, oxidized polyethylene 10, amine terminated polyethylene oxide XTJ 418 3, epichlorohydrin rubber 10, maleated EPR 10, and antioxidant 0.2 parts was molded into a part having excellent paint adhesion, durability (% cycles to failure) 0%, and volume resistivity  $6 + 10^{13} \Omega\text{-cm}$ .

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1984:440849 CAPLUS  
DOCUMENT NUMBER: 101:40849  
ORIGINAL REFERENCE NO.: 101:6361a,6364a  
TITLE: Mannich condensation product  
INVENTOR(S): Schaffhausen, John G.; Abdul-Malek, Adel B.  
PATENT ASSIGNEE(S): Standard Oil Co., USA  
SOURCE: U.S., 6 pp.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4444956	A	19840424	US 1982-439863	19821108
CA 1216393	A1	19870106	CA 1983-439218	19831018
EP 110546	A2	19840613	EP 1983-306445	19831024
EP 110546	A3	19850320		
EP 110546	B1	19900103		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 49220	T	19900115	AT 1983-306445	19831024
PRIORITY APPLN. INFO.:			US 1982-439863	A 19821108
			EP 1983-306445	A 19831024

AB In the preparation of oil-soluble Mannich condensation products, an amine is reacted with a sulfonic acid or ammonium sulfonate, and the product is reacted with an aldehyde and an oxidized olefin polymer. The product has a better haze characteristics than that obtained through the use of aqueous amines. The dispersancy of the product is not adversely affected.

L2 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:979753 CAPLUS

DOCUMENT NUMBER: 140:145789

TITLE: Catalytic dihydroxylation of olefins with hydrogen peroxide: An organic-solvent- and metal-free system

AUTHOR(S): Usui, Yoko; Sato, Kazuhiko; Tanaka, Masato

CORPORATE SOURCE: Research Institute for Green Technology, National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba, Ibaraki, 305-8565, Japan

SOURCE: Angewandte Chemie, International Edition (2003), 42(45), 5623-5625

CODEN: ACIEF5; ISSN: 1433-7851

PUBLISHER: Wiley-VCH Verlag GmbH & Co. KGaA

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 140:145789

AB Olefins are oxidized to 1,2-diols in high yield with 30% H<sub>2</sub>O<sub>2</sub> in the presence of resin-supported sulfonic acid under metal-free conditions without any organic solvent. The catalyst can be recycled easily and is effective for at least 10 cycles.

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